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DIRECTORATE OF	
INTELLIGENCE	
Basic Imagery Interpr	retation Report
	1
Selected Cement Plants China	
	Top Secret 250
	RCS 13/0040/72 25X1
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App	proved For Release 2008/05/20 : CIA-RDP79T00909A000700010003-6 TOP SECRET RCS 13/0040/72	
	CENTRAL INTELLIGENCE AGENCY Directorate of Intelligence Imagery Analysis Service	
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	ABSTRACT	
	This report presents information on 51 major cement plants in China. It includes initial basic studies on five new plants — at Kuang-chou, Kuang-hua, Mao-ming, Shih-tsui-shan, and Tou-tang. Updates are provided on 44 plants. Two plants, Ku-shui and Nan-ping, have not been seen on interpretable photography since the previous report. The cutoff date for information in this report is January 1972.	
_	The plants studied contained a total of 116 rotary kilns. These include a new kiln at Wu-chang, a new kiln at Ying-te, and nine kilns at the five new plants.	
	During the period of this study, at least 65 and possibly 83 kilns were seen operating at a total of 38 plants.	
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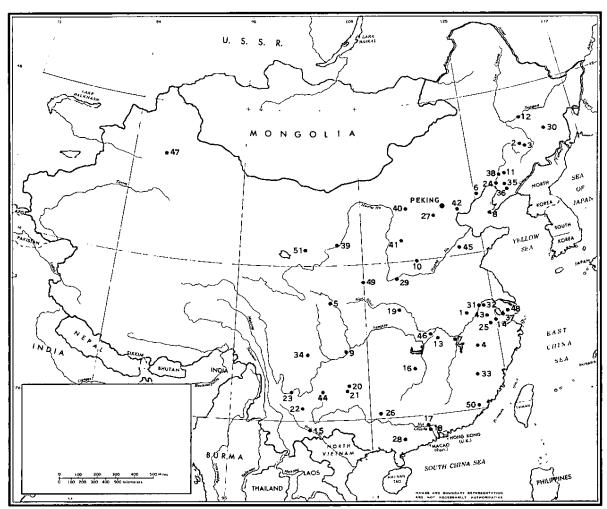


FIGURE 1. LOCATION MAP.

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Ar	pproved For Release 2008/05/20 : CIA-RDP79T00909A000700010003-6 TOP SECRET	25X1
	INTRODUCTION	
Π	This report presents information on the status of the following major cement plants in China (see Figure 1).	
	 Chao-hsien Cement Plant. Chi-lin Cement Plant. Chi-lin Cement Plant 2. Chiang-shan Cement Plant. 	
	 5. Chien-ko Cement Plant. 6. Chin-hsi Cement Plant. 7. Chiu-chiang Cement Plant. 8. Chou-shui-tzu Cement Plant. 	
	9. Chung-ching Cement Plant. 10. Feng-feng Cement Plant. 11. Fu-shun Cement Plant.	
	12. Ha-erh-pin Cement Plant. 13. Huang-shih Cement Plant. 14. Hu-chou Cement Plant. 15. Kai-yuan Cement Plant.	
	16. Ku-shui Cement Plant. 17. Kuang-chou Cement Plant. 18. Kuang-chou Cement Plant 2.	
	19. Kuang-hua Cement Plant. 20. Kuei-yang Cement Plant 2. 21. Kuei-yang Cement Plant 3.	
	22. Kun-ming Cement Plant. 23. Kuo-kuo Cement Plant. 24. Liao-yang Cement Plant.	
	 25. Lin-ping Cement Plant. 26. Liu-chou Cement Plant. 27. Liu-li-ho Cement Plant. 28. Mao-ming Cement Plant Kung-kuan-hsu. 	
	29. Miao-tou-chai Cement Plant Shih-fu. 30. Mu-tan-chiang Cement Plant Wen-chuan. 31. Nan-ching Cement Plant Kiang-nan. 32. Nan-ching Cement Plant Lung-tan.	
	33. Nan-ping Cement Plant.34. O-mei Cement Plant.35. Pen-chi Cement Plant Kung-yuan.	
	36. Pen-chi Cement Plant South. 37. Shang-hai Cement Plant. 38. Shen-yang Cement Plant.	
	39. Shih-tsui-shan Cement Plant Erh-tao-kan.40. Ta-tung Cement Plant.	
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	41. Tai-yuan Cement Plant. 42. Tang-shan Cement Plant Chi-hsin. 43. Ting-shu-chen Cement Plant. 44. Tou-tang Cement Plant.	
	45. Tzu-po Cement Plant Nan-ting. 46. Wu-chang Cement Plant. 47. Wu-lu-mu-chi Cement Plant. 48. Wu-sung Cement Plant. 49. Yao-hsien Cement Plant. 50. Ying-te Cement Plant. 51. Yung-teng Cement Plant.	
	Requirement	
	COMIREX NO4 Support Number 422820	
	Document References .	
	CIA. RCS-13/0040/71, <u>Selected Cement Plants</u> , <u>China</u> , May 1971, (TOP SECRET	25X′ 25X′
	CIA. RCS-13/0031/70, Selected Cement Plants, China, May 1970, (TOP SECRET	25X′
	CIA. RCS-13/0145/69. Selected Cement Plants, China, June 1969 (TOP SECRET	25X1
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INSTALLATION OR ACTIVITY N	IAME			COUNTRY
Chao-hsien Cement Pla				CH
	APHIC COORDINATES 57-20N 117-50-10E			
MAP REFERENCE	201 117 30 102			
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ni-lin Cement Plant 2	CH
TM COORDINATES GEOGRAPHIC COORDINATES	I Cfi
2TCD079634 43-54-05N 126-36-25E	
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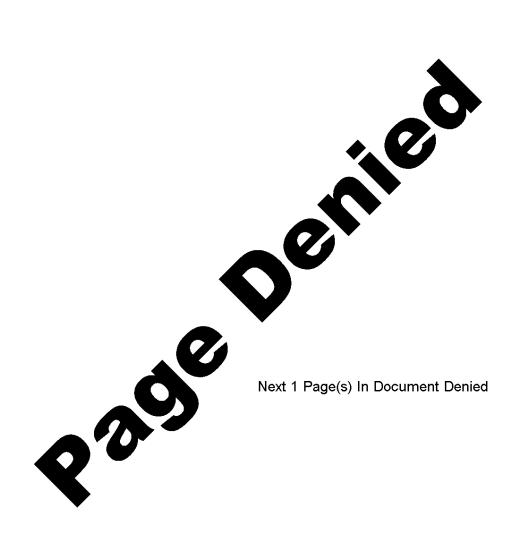


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ITM COORDINATES	GEOGRAPHIC COORDINATES		CH
	32-05-00N 105-06-00E		
APREFERENCE NCIC. Tactica (UNCLAS	al Pilotage Chart, Sheet (SSIFIED)	G-9D, May 67, Scale 1:500,00	0
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JTM COORDINATES	GEOGRAPHIC COORDINATES		
17UF 188130	40-45-42N 120-51-01E		
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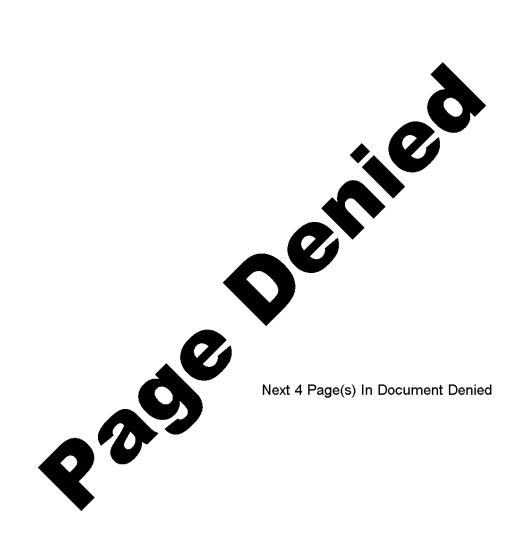
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8RXH518693	29-32-40N 106-34-03	3.5
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5th RTS. USA (SE	ATC, Series 200, Sheet ECRET/	M0495-19HL, 3rd ed. Mar 68. Scale 1:200 000
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eng-feng Cemer	nt Plant GEOGRAPHIC COORDINATES	-	CH
TM COORDINATES OSKR502383	36-26-00N 114-10-20E		
AP REFERENCE		100 0411 7ml od Aug 67	Scale 1.200 000
5th RTS. USA (SE)	TC, Series 200. Sheet MOI CRET/	082 - 24HL, Sra ea, Aug 07,	
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9RFA178691 AP REFERENCE	27-44-00N 112-12-00	E		
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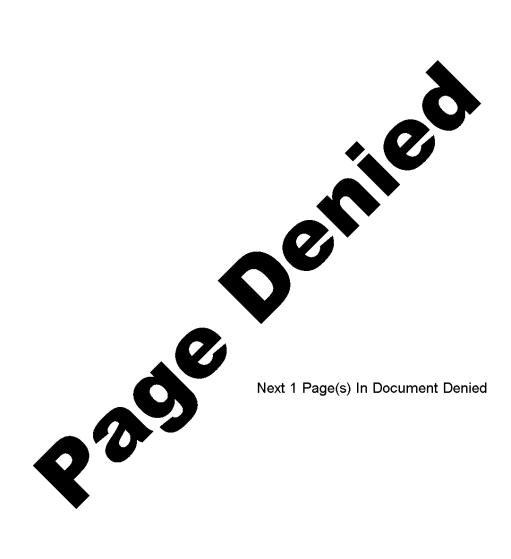
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NSTALLATION OR ACTIVITY NAME	COUNTRY
Yuang-chou Cement Plant OTH COORDINATES GEOGRAPHIC COORDINATES	
90GR292630 23-09-10N 113-14-15E	
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9QGR490535 AP REFERENCE	23-04-40N 113-25-40E	None None
	TO Coming 200 Chant MOS	14 CUL 5th ad May 69 Coals 1,200 000
	CRET	14-6HL, 5th ed, May 68, Scale 1:200,000
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This plandenciosed in a second components incomponents and coulding. The	2.5 acres in an area app t produces cement using to building measuring 170 by lude a raw materials rece grinding building, a lar	ent physical security measures. The plant roximately 500 by 200 feet. the dry process. The plant has two kilns 50 feet (see Figure 2). Other major plant living and storage building, storage silos, ge clinker storage building, and a shipping il to a warehouse 1200 feet to the north, the warehouse.
and to a dock a		
The plant overhead photo December 1968	graphy. The kiln buildin	March 1962, when it was first seen on gunderwent unidentified repairs from small circular tank-like objects have 1970.

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25X1 25X1



INSTALLATION OR ACTIVITY NAME Kuang-hua Coment Plant UTM COORDINATES 49SEF620911 32-27-11N 111-39-32E MONEE NC. NIETB NO. None None None None None None None MAPREFERENCE 548th RTG. USATC, Series 200, Sheet M0385-22HL, 2nd ed, Nov 68, Scale 1:200.000 (SECRET) LATEST IMAGERY USED BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 3 nautical miles north of Kuang-hua, near the Han-shui River. It is road and rail served. There are no apparent physical security measures. The plant occupies about 19 acres in an area approximately 1,075 by 990 feet. This plant is cesigned to produce cement using the west process. The plant has two exposed rotary kilns, each measuring 300 (see Figure 1). They are served by a single masonry stack. Ground scarring for the plant was observed in December 1969. In August 1970, the two kilns, the stack, and several support buildings were complete, and the raw material preparation/clinker storage building, the slurry tank, storage silos, and a shipping building appeared to be complete. The plant did not appear to be operationally complete in June 1971. The rail line was still under construction and the raw materials receiving area appeared incomplete.	Kuang-hua Cement Plant JTM COORDINATES GEOGRAPHIC COORDINATES 49SEF620911 32-27-11N 111-39-32E MAP REFERENCE 548th RTG. USATC, Series 200, Sheet M0385-22HL, 2nd ed, Nov 6 (SECRET) ATEST IMAGERY USED BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautica (sang-hua, near the Han-shui River. It is road and rail serve apparent physical security measures. The plant occupies about	DOMIREX NO. None 68. Scale 1:20 al miles northed. There are	NIETB NO. None 00.000
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BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautical miles north of Kuang-hua, near the Han-shui River. It is road and rail served. There are no apparent physical security measures. The plant occupies about 19 acres in an area approximately 1,075 by 990 feet. This plant is designed to produce cement using the wet process. The plant has two exposed rotary kilns, each measuring 300 (see Figure 1). They are served by a single masonry stack. Ground scarring for the plant was observed in December 1969. In August 1970, the two kilns, the stack, and several support buildings were complete, and the raw material preparation/clinker storage building was under construction. In June 1971, the raw material preparation/clinker storage building, the slurry tank, storage silos, and a shipping building appeared to be complete. The plant did not appear to be operationally complete in June 1971. The rail line was still under	BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautica Gang-hua, near the Han-shui River. It is road and rail serve apparent physical security measures. The plant occupies about	68. Scale 1:20	00.000 h of
BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautical miles north of Kuang-hua, near the Han-shui River. It is road and rail served. There are no apparent physical security measures. The plant occupies about 19 acres in an area approximately 1,075 by 990 feet. This plant is designed to produce cement using the wet process. The plant has two exposed rotary kilns, each measuring 300 (See Figure 1). They are served by a single masonry stack. Ground scarring for the plant was observed in December 1969. In August 1970, the two kilns, the stack, and several support buildings were complete, and the raw material preparation/clinker storage building was under construction. In June 1971, the raw material preparation/clinker storage building, the slurry tank, storage silos, and a shipping building appeared to be complete. The plant did not appear to be operationally complete in June 1971. The rail line was still under	ATEST IMAGERY USED BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautica (uang-hua, near the Han-shui River. It is road and rail serve apparent physical security measures. The plant occupies about	al miles northed. There are	h of e no
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BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautical miles north of Kuang-hua, near the Han-shui River. It is road and rail served. There are no apparent physical security measures. The plant occupies about 19 acres in an area approximately 1,075 by 990 feet. This plant is designed to produce cement using the wet process. The plant has two exposed rotary kilns, each measuring 300 (see Figure 1). They are served by a single masonry stack. Ground scarring for the plant was observed in December 1969. In August 1970, the two kilns, the stack, and several support buildings were complete, and the raw material preparation/clinker storage building was under construction. In June 1971, the raw material preparation/clinker storage building, the slurry tank, storage silos, and a shipping building appeared to be complete. The plant did not appear to be operationally complete in June 1971. The rail line was still under	BASIC DESCRIPTION Kuang-hua Cement Plant is located approximately 5 nautica Kuang-hua, near the Han-shui River. It is road and rail serve apparent physical security measures. The plant occupies about	ed. There are	h of e no
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Kuang-hua, near the Han-shui River. It is road and rail served. There are no apparent physical security measures. The plant occupies about 19 acres in an area approximately 1,075 by 990 feet. This plant is designed to produce cement using the wet process. The plant has two exposed rotary kilns, each measuring 300 (see Figure 1). They are served by a single masonry stack. Ground scarring for the plant was observed in December 1969. In August 1970, the two kilns, the stack, and several support buildings were complete, and the raw material preparation/clinker storage building was under construction. In June 1971, the raw material preparation/clinker storage building, the slurry tank, storage silos, and a shipping building appeared to be complete. The plant did not appear to be operationally complete in June 1971. The rail line was still under	Kuang-hua, near the Han-shui River. It is road and rail serve apparent physical security measures. The plant occupies about	ed. There are	e no
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TOP SECRET

INSTALLATION OR ACTIVITY NAME Kuei-yang Cement Plant 3 UTM COORDINATES GEOGRAPHIC COORDINATES 48RXE664350 2:6-31-30N 106-40-15E MAP REFERENCE 15th RTS. USATC, Series 200, Sheet M0496-10HL, 4th ed, Jul (SECRET) ATEST IMAGERY USED BASIC DESCRIPTION No changes have been observed at Kuei-yang Cement Plant the date of the latest photography used in the previous report of the latest photography used in the latest photography used in the previous report of the latest photography used in the latest photogra	NA † 3 since March 1970,
Cuei-yang Cement Plant 3 TM COORDINATES GEOGRAPHIC COORDINATES 18RXE664350 25-31-30N 106-40-15E AP REFERENCE 15th RTS. USATC, Series 200, Sheet M0496-10HL, 4th ed, Jul (SECRET) ATEST IMAGERY USED BASIC DESCRIPTION No changes have been observed at Kuei-yang Cement Planthe date of the latest photography used in the previous report All four kilns were operating in March and June 1971.	71. Scale 1:200.000 NA t 3 since March 1970, ort.
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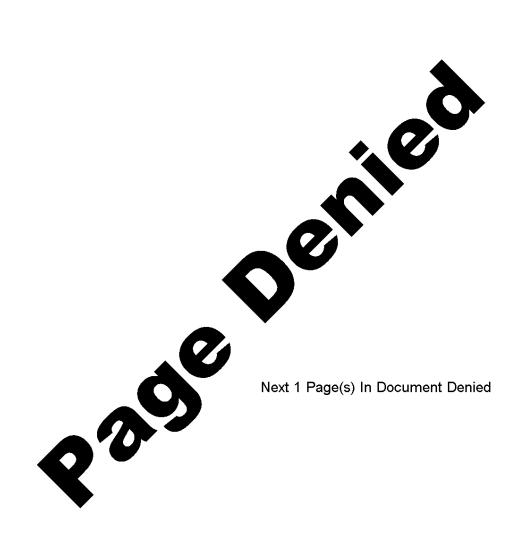


### GEOGRAPHIC COORDINATES ####################################	DORDINATES N 109-15-20E 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000 NEGATION DATE (If required) NA BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, prography used in previous reports. three stacks indicates that all three kilns at this prember 1971 and January 1972.
49RCS225963 24-22-20N 109-15-20E MAP REFERENCE 15th RTS. USATC, Series 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000. (SECRET) LATEST IMAGERY USED NEGATION DATE (If required) NA BASIC DESCRIPTION No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kilos at this	N 109-15-20E 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000 NEGATION DATE (If required) NA BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, prography used in previous reports. ethree stacks indicates that all three kilns at this eptember 1971 and January 1972.
WAP REFERENCE 15th RTS. USATC, Series 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000. (SECRET LATEST IMAGERY USED NEGATION DATE (If required)	N 109-15-20E 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000 NEGATION DATE (If required) NA BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, prography used in previous reports. ethree stacks indicates that all three kilns at this exptember 1971 and January 1972.
MAP REFERENCE 15th RTS. USATC, Series 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000 (SECRET LATEST IMAGERY USED NEGATION DATE (If required) NA BASIC DESCRIPTION No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kilps at this	N 109-15-20E 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200.000 NEGATION DATE (If required) NA BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, prography used in previous reports. ethree stacks indicates that all three kilns at this eptember 1971 and January 1972.
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NEGATION DATE (If required) NA BASIC DESCRIPTION No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kilms at this	NEGATION DATE (If required) NA BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, otography used in previous reports. three stacks indicates that all three kilns at this optember 1971 and January 1972.
BASIC DESCRIPTION No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kilms at this	BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, prography used in previous reports. e three stacks indicates that all three kilns at this eptember 1971 and January 1972.
BASIC DESCRIPTION No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kilns at this	BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, otography used in previous reports. three stacks indicates that all three kilns at this optember 1971 and January 1972.
BASIC DESCRIPTION No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kilns at this	BASIC DESCRIPTION observed at Liu-chou Cement Plant since September 1969, ptography used in previous reports. three stacks indicates that all three kilns at this eptember 1971 and January 1972.
No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports.	observed at Liu-chou Cement Plant since September 1969, ptography used in previous reports.
No changes have been observed at Liu-chou Cement Plant since September 1969 the date of the latest photography used in previous reports. Smoke coming from the three stacks indicates that all three kills at this	observed at Liu-chou Cement Plant since September 1969, — otography used in previous reports. three stacks indicates that all three kilns at this eptember 1971 and January 1972.
Smoke coming from the three stacks indicates that all three kills at this	three stacks indicates that all three kilns at this eptember 1971 and January 1972.
Smoke coming from the three stacks indicates that all three kills at this	three stacks indicates that all three kilns at this ptember 1971 and January 1972.
Smoke coming from the three stacks indicates that all three kilns at this plant were operating in September 1971 and January 1972.	prember 19/1 and January 1972.
Promise operating in September 1971 and January 1972.	
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	TOP SECRET		
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NSTALLATION OR AC	CTIVITY NAME	COUNTRY	
Liu-li-ho Ceme ITM COORDINATES	ent Plant GEOGRAPHIC COORDINATES	CH	
50SMU161836	39-35-51N 116-01-41E		
	SATC, Series 200, Sheet M0381-1HL, 5th e	ed, Apr 71, Scale 1:200,000	_
ATEST IMAGERY USI	SECRET, NEGATION DATE (If required)	
- TOT INFIGERY OF	112371131137112(
<u>.</u>		NA	_
the date of th The plant	es have been observed at Liu-li-ho Cemer ne latest photography used in the previo t was not operating in June 1971. Smoke t the two kilns were operating in Septem	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	
the date of th The plant	ne latest photography used in the previo t was not operating in June 1971. Smoke	ous report. e coming from both stacks	



App	proved For Release	2008/05/20 : CIA-RDP79T009		
' []		TOP SE	• CRET	
	INSTALLATION OR AC	CTIVITY NAME	· · · · · · · · · · · · · · · · · · ·	COUNTRY
	Mao-ming Cemen UTM COORDINATES 490DP867972	T Plant Kung-kuan-hsu GEOGRAPHIC COORDINATES		CH COMIREX NO. NIETB NO. 2
	MAP REFERENCE	21-40-30N 110-52-30E Series 200, Sheet M0615-1	4HL, 3rd ed. Mar 67. Sca	None None None None None None None None
	LATEST IMAGERY USE	L ED	NEGATION DATE (If required)	
	The plant is remeasures. The feet. This plant presently has emasonry stack, sections are in ponents include blending silos Construct 1971. The plant due to the small	<u>Cement Plan</u> t is located a	y 15 nautical miles sout re are no apparent physicres in an area approximement using the wet proceed measuring 135 larger, kiln are in place Figure 4). Other major our storage silos, three inishing mill, and a shimant between December 196 in detail on the September. In November 1971.	h of Mao-ming. cal security hately 780 by 250 ess. The plant served by a ce and kiln r plant com- mixing and pping building. 8 and September er 1971 coverage
Anr	proved For Release	TOP SE		25



	8/05/20 : CIA-RDP7 	or secker			
INSTALLATION OR ACTIV	TY NAME		· · · · · · · · · · · · · · · · · · ·		COUNTRY
Nan-ching Cement	Plant Kiang-nan				CH
1	OGRAPHIC COORDINATE 32-09-25N 118-58-				
MAP REFERENCE	<u> </u>	-356		· · · · · · · · · · · · · · · · · · ·	
8th RTS. USATC,	Series 200, Shee	∍† M0386-23HI	L. 4th ed. Aug	i 68 Scale	1.200 000
(SECRE	Γ/				
ATEST IMAGERY USED		NEGA	TION DATE (If require	d)	· · · · · · · · · · · · · · · · · · ·
					•
		<u> </u>	NA		
	E	BASIC DESCRIF	PTION .		
No changes b	ave been observe	d at Nan abi	n - Ca DI	1 1/1	
No changes h May 1970, the dat	nave been observe Te of the latest	ed at Nan-chi photography	ing Cement Pla used in the p	nt Kiang-r revious re	an since
May 1970, The dat	e of the latest	photography	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
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Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
Smoke coming	e of the latest	indicated th	used in the p	revious re	port.
May 1970, The dat	e of the latest	indicated th	used in the p	revious re	port.

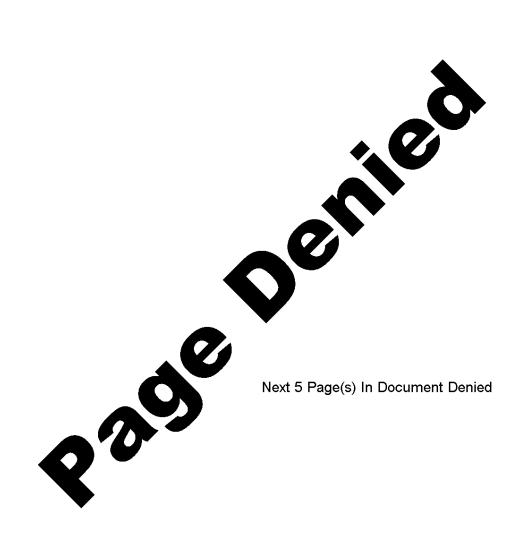
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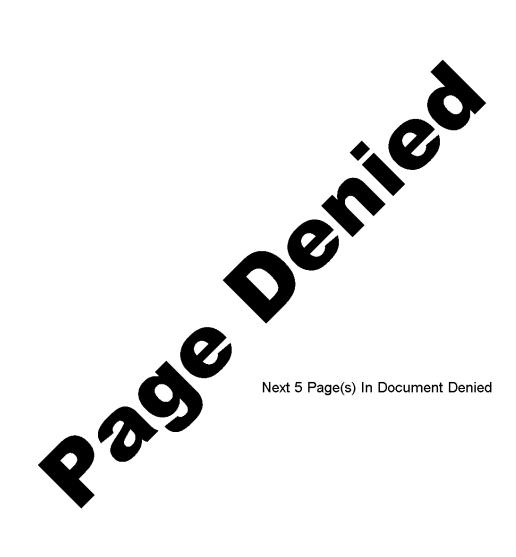
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	TOP SECRET	
NSTALLATION OR AC	TIVITY NAME	COUNTRY
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Nan-ching Ceme	ent Plant Lung-tan	CH
TM COORDINATES 50SPL953603	GEOGRAPHIC COORDINATES	
AP REFERENCE	32-10-07N 119-04-01E	
	IC Series 200 Shoot M0396 2311 Ath	
(SEC	TC, Series 200, Sheet M0386–23HL. 4th CRET	ed. Aud 68. Scale 1.200 000
ATEST IMAGERY USE	D NEGATION DAT	E (If required)
		NA
		-
	BASIC DESCRIPTION	
	s have been observed at Nan-ching Cen	·
⊤ least one a	ning from one of the stacks obscured t and possibly all of the kilns were ope e, and possibly four, kilns.	erating in April 1971. This
		·

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NOTAL CATION OF ACTIVITY NAME				
NSTALLATION OR ACTIVITY NAME		·	COUNTRY	
Nan-ping Cement Plant			CH	
JTM COORDINATES GEOGRAPHIC COORDINATES				
50RPE156436 26-36-25N 118-09-35	5E			
FACTOR DECEMBER				
548th RTG. USATC, Series 200. She (SECRET)	eet M0498-10HL. 3rd (ed. Anr 68	Scale 1.200 000	
ATEST IMAGERY USED	NEGATION DATE (If	f required)		
			•	
		NA		_
	NOTICE	•		
Nan-ping Cement Plant has not	t been seen on photog	graphy sinc	e November	
Nan-ping Cement Plant has not 1968. Previous analysis indicated t				
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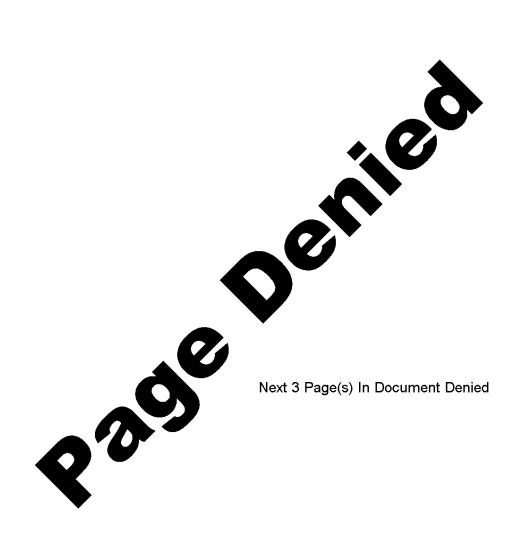
	TOP SE		
NSTALLATION OR AC	TIVITY NAME		COUNTRY
hih-tsui-shan TM COORDINATES	Cement Plant Erh-tao-kan		CH COMIREX NO. NIETB N
	39-36-00N 106-49-00E		None None
AP REFERENCE	1 30 30 00N 100 49 00E		NOTIE NOTIE
	i Pilotage Chart, Sheet G- SIFIED)	-9A, 1st ed, Oct 68, Sc	ale 1:500,000
ATEST IMAGERY US	ED .	NEGATION DATE (If required)	
	BASIC [DESCRIPTION	
erved. No ph 6 acres in an This plan as two expose ach kiln is s	ical miles north of Shih- ysical security measures a area approximately 1,410 t is designed to produce of d rotary kilns, each measure erved by a masonry stack. d blending silos, a raw ma	cement using the dry pruring 155 feet (sometimes of the comparing the dry properties of the major plant comparing the feet (sometimes of the major plant comparing the feet (sometimes of the feet (sometimes of the feet) feet) feet (sometimes of the feet) fe	t occupies about ocess. The plant ee Figure 5). ponents include
	ng mill, eight final produ		
n November 19 torage silos, hipping build	ry 1966, ground scarring of 66, the raw materials/climand stacks were under coning was under construction ry 1968 and December 1968 and May 1969. The	nker storage building, nstruction. In May 196 n. The northern kiln w	final product 7, the bagging and as installed was installed
etween Decemb	as not been seen operating	e plant was apparently	complete in March
etween Decemb		e plant was apparently	complete in March
etween Decemb		e plant was apparently	complete in March
etween Decemb		e plant was apparently	complete in March
etween Decemb		e plant was apparently	complete in March
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etween Decemb		e plant was apparently	complete in March

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INSTALLATION OR AC	CTIVITY NAME			COUNTR	ťΥ
Tou-tang Comon	+ Dlan+			Cu	
Tou-tang Cementures	GEOGRAPHIC COORDINATES		СОМІ	REX NO.	NIETB NO.
	26-34-20N 104-56-15E		No	ne	None
MAP REFERENCE AMS. Series 1 (UNCLASS	501, Sheet NG 48-6, Wei-ni IFIED)	ng, China, Scale 1:250,	000,	îst ed,	, 1970
LATEST IMAGERY US	ED	NEGATION DATE (If required)			
		7 February 1966		<u>.</u> .	
	BASIC DE	SCRIPTION			
The plant rotary kilns,		•	two e ich ki le two	exposed In is crushi	
and grinding unaterial prepa product storage Ground sc 1969, foundation	nits, a slurry tank, eight ration/clinker storage bui e silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Mar or buildings were external I in January 1972.	mixing and blending silding, a gypsum mill, for shipping building. Subserved in January 1967, were seen, and the bags och 1971, one kiln was	en fi '. By Jing a n pla	nal / Februa and ship ace and	ping
and grinding umaterial prepa product storage Ground sca 1969, foundation building was umail of the major and operationa	nits, a slurry tank, eight ration/clinker storage bui e silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Mar or buildings were external	mixing and blending silding, a gypsum mill, following building. See the base of the bage of the bage of the bage of the bage of the planting	en fi 7. By ging a n pla was	nal / Februa and ship ace and complet	oping te
and grinding unaterial prepa product storage Ground sca 1969, foundation building was unall of the major and operationa	nits, a slurry tank, eight ration/clinker storage bui e silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Mar or buildings were external I in January 1972.	mixing and blending silding, a gypsum mill, following building. See the base of the bage of the bage of the bage of the bage of the planting	en fi 7. By ging a n pla was	nal / Februa and ship ace and complet	oping te
and grinding umaterial prepa product storage Ground sca 1969, foundation building was umail of the major and operationa	nits, a slurry tank, eight ration/clinker storage bui e silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Mar or buildings were external I in January 1972.	mixing and blending silding, a gypsum mill, following building. See the base of the bage of the bage of the bage of the bage of the planting	en fi 7. By ging a n pla was	nal / Februa and ship ace and complet	oping te
and grinding umaterial prepa product storage Ground sca 1969, foundation building was umall of the major and operationa	nits, a slurry tank, eight ration/clinker storage bui e silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Mar or buildings were external I in January 1972.	mixing and blending silding, a gypsum mill, following building. See the base of the bage of the bage of the bage of the bage of the planting	en fi 7. By ging a n pla was	nal / Februa and ship ace and complet	oping te
and grinding umaterial prepa product storage Ground sca 1969, foundation building was umall of the major and operationa	nits, a slurry tank, eight ration/clinker storage bui e silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Mar or buildings were external I in January 1972.	mixing and blending silding, a gypsum mill, following building. See the base of the bage of the bage of the bage of the bage of the planting	en fi 7. By ging a n pla was	nal / Februa and ship ace and complet	oping te
and grinding umaterial prepa product storage Ground sca 1969, foundation building was umall of the major and operationa	nits, a slurry tank, eight ration/clinker storage buile silos, and a bagging and arring for the plant was cons for several buildings nder construction. In Maror buildings were external I in January 1972. was observed operating for ng from its stack.	mixing and blending silding, a gypsum mill, following building. See the base of the bage of the bage of the bage of the bage of the planting	en fi 7. By ging a n pla was	nal / Februa and ship ace and complet	oping te

ISTALLATION OR ACT	VITY NAME		COUNTRY
Coment [Clant Non ting		CH
Zu-po Cement F	GEOGRAPHIC COORDINATES	_	1 011
0SNR952680	36-45-10N 118-04-08E		
AP REFERENCE	CC Series 200. Sheet MC) 381–22HL, 4th ed, Jul 68, Sca	ale 1:200.000
(SEC	CRET		
TEST IMAGERY USED	1	NEGATION DATE (If required)	
		NA	
	BASIC	DESCRIPTION	
No changes	s have been observed at	Tzu-po Cement Plant Nan-ting	since December
1970, the date	of the latest photograp	phy used in the last report.	
Smoke com	ing from one stack indic	cated that one kiln was opera	ting in April
1971. Three o	f the four kilns were op	perating in January 1972.	
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	TOP SE	CRET	
INSTALLATION OR AC	TIVITY NAME		COUNTRY
	•		
Yao-hsien Ceme	ent Plant GEOGRAPHIC COORDINATES	<u> </u>	. СН
49SCJ 145675	34-54-20N 108-59-20E		
MAP REFERENCE	ATC, <u>Series 200, Sheet MO</u> 3	384-10Hi 2nd ed 1un	68 Scale 1:200.000
	ECRET		00, 00010 7.200,000
LATEST IMAGERY US	ED	NEGATION DATE (If required)	
		NA NA	•
		<u></u>	
	BASIC	DESCRIPTION	
No chano	es have been observed at `	Yao-hsien Cement Plan	t since May 1970,
,,,,,,,,,	he latest photography use	d in the previous rep	ort.
the date of t	the farest photography aso		* •
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	·	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
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Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
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Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .
Smoke co	mina from two of the three	e stacks indicated th	<i>,</i> .



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INSTALLATION OR AC	CTIVITY NAME	.	COUNTRY	_
	•		244	
Ying-te Cemen	† Plan† GEOGRAPHIC COORDINATES		CH	
49RGS492918	24-19-10N 113-27-20E			_
MAP REFERENCE	<u> </u>	 1		
		-21HL, 1st ed, Mar 62, Sca	ale 1:200,000	
(SECR		NEGATION DATE (If required)		_
		NA		_
the date of t	at the plant, measures al	ed in the previous report bout 375 by 10 feet (see No other changes have be	. This kiln, Figure 8). It	25
the date of t the only one has not yet b	the latest photography use at the plant, measures al	ed in the previous report bout 375 by 10 feet (see	. This kiln, Figure 8). It	2
the date of t the only one has not yet b	the latest photography use at the plant, measures al	ed in the previous report bout 375 by 10 feet (see	. This kiln, Figure 8). It	2
the date of t the only one has not yet b	the latest photography use at the plant, measures al	ed in the previous report bout 375 by 10 feet (see	. This kiln, Figure 8). It	25
the date of t the only one has not yet b	the latest photography use at the plant, measures al	ed in the previous report bout 375 by 10 feet (see	. This kiln, Figure 8). It	25
the date of t the only one has not yet b	the latest photography use at the plant, measures al	ed in the previous report bout 375 by 10 feet (see	. This kiln, Figure 8). It	25



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